

RITU SHARMA

Address : Qr. No. EE/E-2 Arasmeta Cement Plant Gopal Nagar
District: Janjgir-Champa (C.G), Pin: 495663
Contact No. : +918827660203
Email : ritusharma10893@gmail.com
Website : www.vidhyut-engineering.blogspot.com
Digital-CV : <https://ritusresume.blogspot.com/>

CAREER OBJECTIVE

“To continuously enhance my knowledge, skills and utilize them for personal and organizational growth to the best of my ability and experience by getting involved in challenging work environment.”

EDUCATIONAL QUALIFICATION

| Exam | Name of School/College | University /Board | Year | % | Remark |
|------------------|---|-------------------|---------|-------|----------------|
| Mtech (PSE) | Shri Shankaracharya Group of Institutions, Bhilai | CSVТУ | 2016-18 | 78.27 | Pass (HONOURS) |
| BE (EEE) | Chouksey Engineering College Bilaspur | CSVТУ | 2011-15 | 78.08 | Pass (HONOURS) |
| 12 th | S. K. P. S. Hr. Sec. School | CBSE | 2011 | 71.6 | Pass |
| 10 th | S. K. P. S. Hr. Sec. School | CBSE | 2009 | 83.20 | Pass (HONOURS) |

VOCATIONAL TRAINING

1. Vocational Training from 21.07.2014 to 14.08.2014 on “Power distribution system” from CSPDCL Tifra, Bilaspur(C.G)
2. Vocational Training from 21.07.2014 to 14.08.2014 on “Power distribution & control” from Lafarge cement plant Arasmeta.

PROJECT WORK

- Performance investigation of shunt active power filter for three phase distribution system.

PAPER IN REVIEW

1. Ritu Sharma, Dr. Ankita Diwedi “Comparative Analysis of Conventional PID and Fractional PID based Shunt Active Power Filter.” I-manager’s Journal on Future Engineering & Technology *in review*.
2. Ritu Sharma, Ravi Prakash Mahobia, Dr. Ankita Diwedi, “Mitigation of harmonics in IEEE 9 Bus Power System With Shunt Active power filter.”, *J. Optoelectron. Laser*, in review.
3. Ritu Sharma & Mr. Ravi Prakash Mahobia, “Performance analysis of PID based shunt active filter via GA.”, *J. Optoelectron. Laser*, in review.
4. Ritu Sharma, Dr. Ankita Diwedi, Mr. Ravi Prakash Mahobia, “Performance analysis of FA-PID based shunt active filter via genetic algorithm”, I-manager’s Journal on Future Engineering & Technology, in review.
5. Ritu Sharma, Ravi Prakash Mahobia “ Comparative Analysis of Fractional and Conventional PI Controller in Shunt Active Filter for a Three Phase Three Wire System via ant colony optimization.” International Journal on Emerging Technologies, in review.
6. Ritu Sharma, Ravi Prakash Mahobia “ Comparative Analysis of ant colony based Fractional and Conventional PI Controller in Shunt Active Filter for a Three Phase four Wire System.” Engineering Applications of Artificial Intelligence in review.
7. Ritu Sharma, Dr. Ankita Diwedi, Ravi Prakash Mahobia “Mitigation of harmonics via ant colony based shunt active power filter.” International Journal of Electrical Engineering and Informatics in review.

PAPER PUBLISHED

1. Ritu Sharma, Ravi Prakash Mahobia, Ankita Dwivedi “A Review Of The Mitigation On Harmonics For Three Phase Four Wire System By Using Shunt Active Power Filter” . 2nd IEEE International Conference on Smart Technologies for Power, Energy & Control (STPEC-2021) 19th -22nd December 2021.
2. Dwivedi, R. R. Kumar and R. Sharma, "Comparison of two configurations of Line Start PM Motors for e-Vehicles," 2021 IEEE 2nd International Conference on Smart Technologies for Power, Energy and Control (STPEC), 2021, pp. 1-5, doi: 10.1109/STPEC52385.2021.9718679.
3. Ritu Sharma, Naveen Goel, Saji Chacko, “ Performance investigation of fractional PI controller in shunt active filter for a three phase four wire system”, International IEEE conference on Computing, Communication and Automation, 15th December 2018.
4. Ritu Sharma, Naveen Goel, Saji Chacko, Ravi Prakash Mahobia “ Performance investigation of fractional PI controller in shunt active filter for a three phase three wire system”, Third International conference on Intelligent Communication, Control and Devices, 21th December 2018.
5. Ritu Sharma, Naveen Goel, Ravi Prakash Mahobia “ Mitigation of harmonic distortion by using passive filter for nonlinear load”, International Journal of Applied Science Engineering and Management, Vol 4, Issue 02, ISSN: 2454-9940.
6. Ravi Prakash Mahobia, Mahesh Singh, Shimpy Ralhan, Ritu Sharma “Performance analysis of Co-ordinated designed PID and UPFC based Stabilizer”, International conference on Advanced Computing and Intelligent Engineering, 23th December 2018.
7. Ritu Sharma, Ravi Prakash Mahobia “ Comparative Analysis of Fractional and Conventional PI Controller in Shunt Active Filter for a Three Phase Three Wire System.” I-

CONFERENCES/WORKSHOPS/SEMINARS

1. Participated in **BootCamp** on ADASE & Autonomous Vehicle: Technology Overview and Career Direction on 02 August 2022.
2. Participated in **BootCamp** on Career Opportunities in EV Domain on 17 July 2022.
3. Participated in **BootCamp** on Embedded System on 19 July 2022.
4. Completed **30 Days Master Class on "EV Design"** from Pentech Solutions. (21-03-2022 to 20-04-2022).
5. Completed **30 Days Master Class on "Artificial Intelligence"** from Pentech Solutions. (21-03-2022 to 20-04-2022).
6. Participated & completed successfully **AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Application of Internet of Things (IOT) in Environment, Medical Science and Human Life"** from 04/10/2021 to 08/10/2021 at Shri Shankaracharya Group of Institutions, SSTC.
7. Participated in **IEEE Authorship and OA Symposium**. (26 August 2021).
8. Attended Two day workshop on **"Environmental Protection Strategies"** at CEC, Bilaspur.
9. Attended Two day workshop on **"Research Methodology on Review Paper Writing" (PHASE-1)** at CEC, Bilaspur.
10. Two day workshop on **"Research Methodology on Review Paper Writing" (PHASE-2)** at CEC, Bilaspur.
11. Attended webinar on **"Research Trends for Post-COVID World"** as part of the OPJU IEEE TECH WEB SERIES held on 8th June, 2020
12. Attended one day webinar on **"Mike Urban+ Modelling Tools"** in CSVTU, Bhilai. (12/06/2020).
13. Attended one-day webinar on **"Internet of Things- the State of Art"** From Cec, Bilaspur (20/6/2020).
14. Attended webinar on **"How to crack interview"** by M Rise Educational Service. (17-JUNE 2020).
15. Attended one-day webinar on **"Launching Nano-satellite"** from GMRIT, AP. (18-JUNE 2020).
16. Attended one-day webinar on **"Yoga: Natural Immunity Booster against Covid-19"** from CEC, BILASPUR (22/6/2020)
17. Attended two-day webinar on **"Tips to Formulate Research Project Proposal and Write Technical Papers"** from GMRIT, AP. (21-22 JUNE 2020).
18. Attended one-day webinar on **"E-Mobility and Solar Charging for E-Mobility"** from CEC, BILASPUR (20/6/2020).
19. Attended one-day webinar on **"Electric Vehicle and the Way Forward"** from OPJU, Raigarh (20/6/2020).
20. Attended one-day webinar on **"Taking Learning and Research Forward Using IEEE-Xplore Digital Library"** from LTCE, KOPARKHAIRANE (27/6/2020).
21. Attended one-day webinar on **"Impact of Covid-19 on Indian Economy"** from CEC, BILASPUR (02/7/2020).

22. Attended webinar on “**Entrepreneurship Development**” by M Rise Educational Service. (10-JULY 2020).
23. Attended one-day webinar on “**E-Wistalk- Evolution in Teaching and Learning Post Covid-2019**” from LCIT, BILASPUR (02/7/2020).
24. Attended one-day webinar on “**Webinar on Online Learning Resources**” from CEC, BILASPUR (02/7/2020).
25. Attended Three-day **FDP** webinar on “**Real Time Hardware in the Loop Simulation for Power Elex and Power System**” from SGSIT&S INDORE MP. (28/6/2020 -30/6/2020).
26. Attended Five-day **FDP** webinar on “**Moodle**” from **IIT, BOMBAY** (23/6/2020 - 27/6/2020).
27. Attended Five-day **FDP** webinar on “**Latex**” from **IIT, BOMBAY** (7/7/2020 -11/7/2020).
28. Attended Five-day **FDP** webinar on “**SciLab**” from **IIT, BOMBAY** (11/6/2020 - 15/6/2020).
29. Attended one-day webinar on “**Alternative Fuel**” on dated 09/07/2020 from LCIT, BILASPUR.
30. Attended one-day webinar on “**Analysis Of Speech Signal In Healthcare**” on dated 22/07/2020 from LCIT, BILASPUR
31. Attended one-day webinar on “**Industry 4.0 from SME Perspective** ” on dated 02/08/2020 from MAHARASTRA INSTITUTE OF TECHNOLOGY, AURANGABAD.
32. Attended seven-day work shop on “ **Faculty Development Program**” in RCET, Raipur. (31may to 06 june 2019).
33. Participated & completed successfully **AICTE Training and Learning (ATAL) Academy Online FDP on "Block chain"** from 2020-9-15 to 2020-9-19 at LAKSHMI NARAIN COLLEGE OF TECHNOLOGY.
34. Attended **4th International Conference on Computing, Communication and Automation 2018**, at Galgotias University, Greater Noida, NCR New Delhi, India, Dec 2018.
35. Attended **International Conference on Intelligent Communication, Control and Devices 2018**, at UPES, Dehradun, Through Skype, Dec 2018.
36. Attended Workshop on “**Academic Writing Skills**” at CSVTU University, Bhilai.
37. Attended Workshop on “**Bridging Academic R&D with Product Innovation: A Few Case Studies and a Way Forward**” at CSVTU University, Bhilai.

MEMBER OF PROFESSIONAL BODIES

- NITTSD
- IFERP
- IAAC

REVIEWER OF JOURNAL

- International Journal of Applied Power Engineering.

- International Review of Research in Open and Distance Learning.
- International Journal of Electrical Engineering and Informatics.
- International Journal of Engineering and Technology Innovation.

EXPERIENCE

Total Experience- More than 5 Years.

1. Working at CEC Bilaspur as Assistant Professor from 01.01.2019 to till now.
2. Worked at RSR Rungta College of Engineering and Technology as Assistant Professor for six months in 2018.
3. Worked at SSTC-SSGI, Bhilai as Lecturer for one year from 2017 to 2018.

ACHIEVEMENTS

1. **GATE 2022 Qualified.**
2. **GATE 2016 Qualified.**
3. **Worked as registration and certificate committee in 2nd international conference in CHOUKSEY ENGINEERING COLLEGE, BILASPUR.**
4. Certificate of branch topper in second year, third year, fourth year (2012-15) at college level.
5. Certificate of merit in “Australian National Chemistry Quiz” in 2010.
6. Certificate of “Supplementary All India General Knowledge Test” in 2008.
7. Certificate of “The National Academy for Art Education” in Painting in 2006.
8. Certificate of Rangoli in 2012 at college level.
9. Certificate of field event “Javelin throw” in 2007, 2008, 2010 at school level.
10. Participated in paper presentation (MANTHAN) at national level in 2015.
11. Participated in solo song (SARGAM) in national level technical festival “Techno-A-tech-III, 2015.
12. Participated as a volunteer during National Level Tech Fest at CEC, Bilaspur.

STRENGTH

1. Devotion towards my duty
2. Regularity
3. Hard working
4. Easily adjustable in new environment

PERSONAL DETAILS

Father's Name : Mr. Charan das Sharma
 Mother's Name : Mrs. Moni Sharma
 Date of Birth : 10-08-1993

Gender : Female
Blood Group : A+
Language Known : English, Hindi.
Hobbies /Interest : Yogabhyas, Sports, Singing, Creativity, Teaching, Learning.

I hereby declare that all the above information are true to the best of my knowledge and I will be responsible for any kind of error or misconceptions in future.

PLACE: Bilaspur

Ms. Ritu Sharma